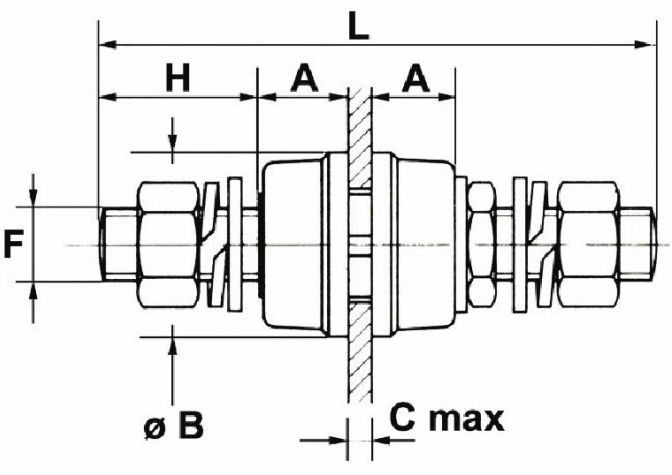
PI SERIES

INSULATED SEPARATORS

ADVANCED TECHNICAL INFORMATION

DRAWINGS AND DIMENSIONS





AVAILABLE REFERENCES

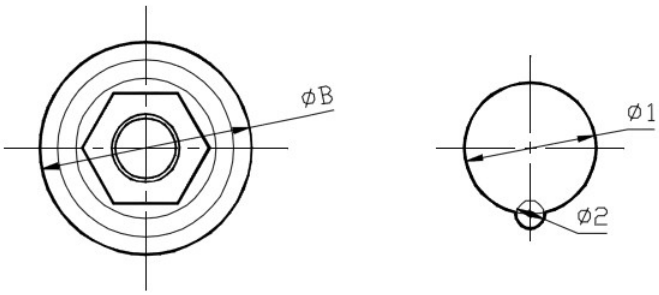
Reference	F	L	I_{NOM} [A]	V_{NOM} [V]	V_{TEST} [kV]	A	ØB	C max	H	Ø2	Ø1
PI/P-4	M4	50	25	600	4	10	15	3	12.5	2.5	8.5
PI/P-6	M6	65	50	1000	6	12	22	5	17	3.5	12.5
PI/P-8	M8	80	80	1000	6	13.5	25	5	21	3.5	15.5
PI/P-10	M10	95	120	1000	6	15	30	5	28	4.5	17.5
PI/P-12	M12	105	200	1000	6	17	35	5	29	5	20.5
PI/P-16	M16	135	300	2000	8	22	43	7	38	5.5	25.5
PI/P-20	M20	155	450	2000	8	25	54	8	44	6	30.5

**All dimensions in mm.*

TECHNICAL CHARACTERISTICS

Operating temperature	Fire reaction	Breaking charge	Water absortion
-40ºC +130ºC	UL94-V0 class	Tolerance ±10%	<0.2%

RECOMMENDED PANEL MACHINING



INSULATING MATERIAL CHARACTERISTICS (POLYGLASS)

Property	*Standard*	*Value*
Flexural strength	ISO R 178	80 N/mm²
Flexural modulus	ISO 178	7 GPa
Impact strength	ISO 179	25 kJ/m²
Hot deflection temperature	ISO 75	> 200 ºC
Hardness	UNI 4278	80 HRM
Linear shrinkage	ISO 2577	0.18%
Flammability	UL 94	V0 >3mm
Dielectric strength	IEC 60243-1	12 kV/mm
Tracking resistance	IEC 60112	CTI >600 -0.0
Arc resistance	ASTM D495	>180 s
Density	ISO 1183-1	1.8 g/cm^3
Water absorption	ISO 62	<0.2 %
Color	RAL	RAL 3002 (red)

Our Polyester insulators are in conformity with DIRECTIVE 2006/95/EC (Electrical equipment designed for use within certain voltage limits). Directive 2006/95/EC is a codifying Directive which brings together in one text the “original” Low Voltage Directive 73/23/EEC6 with its subsequent amendments. Directive 2006/95/EC came into force and repealed Directive 73/23/EC as from 16th January 2007. The Directive applies to all electrical equipment designed for use with a voltage rating of between 50 and 1000 V for alternating current and between 75 and 1500 V for direct current. The CE marking is placed on the electrical equipment or, where this is not practically possible, on the packaging.

This polyester insulators are molded of Underwriters Laboratories Incorporated recognized flame-resistant fiberglass-reinforced polyester molding compound.

EN 45545

Conformity according to EN 45545 part 2 : Railway application- Fire protection on railway vehicles - Part 2: Requirements for fire behaviour of materials and components.
Test results :
Spread of flame : HL3 / Smoke : HL2 / Toxicity : HL3 / Heat release : HL2 / Final classification : HL2

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No Annotation: The product parameters are fixed and the product is available to datasheet specification.

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